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<u>L25</u>	5825408.pn.	1	<u>L25</u>
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
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<u>L19</u>	((((709/314)!.CCLS.))	75	<u>L19</u>
<u>L18</u>	((((709/101)!.CCLS.))	201	<u>L18</u>
<u>L17</u>	((((709/\$)!.CCLS.))	19776	<u>L17</u>
<u>L16</u>	((((348/\$)!.CCLS.))	44207	<u>L16</u>
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<u>L9</u>	((((370/277)!.CCLS.))	135	<u>L9</u>
<u>L8</u>	((((370/230)!.CCLS.))	479	<u>L8</u>
<u>L7</u>	((((370/\$)!.CCLS.))	55872	<u>L7</u>
<u>L6</u>	((((707/\$)!.CCLS.))	16738	<u>L6</u>
<u>L5</u>	((((707/206)!.CCLS.))	301	<u>L5</u>
<u>L4</u>	((((707/200)!.CCLS.))	1035	<u>L4</u>
<u>L3</u>	((((707/104.1)!.CCLS.))	1943	<u>L3</u>
<u>L2</u>	((((707/10)!.CCLS.))	2425	<u>L2</u>
<u>L1</u>	((707/1)!.CCLS.)	1866	<u>L1</u>

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L23: Entry 3 of 3

File: USPT

Nov 19, 1985

US-PAT-NO: 4554660

DOCUMENT-IDENTIFIER: US 4554660 A

TITLE: One-way data transmission system

DATE-ISSUED: November 19, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noirel; Yves M.	Montfort			FR
Vardo; Jean-Claude	St. Gregoire			FR
Chevee; Gerard	Rennes			FR

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
L'Etat Francais, represente par le Ministre des P.T.A. (Centre National d'E	both of			FR		07
Etablissement Public de Diffusion dit "Telediffusion de France"	both of			FR		07

APPL-NO: 06/ 434531 [PALM]

DATE FILED: October 14, 1982

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
FR	81 19789	October 15, 1981

INT-CL: [04] H04J 3/00

US-CL-ISSUED: 370/94; 358/142

US-CL-CURRENT: 370/349; 348/473

FIELD-OF-SEARCH: 370/94, 370/60, 370/83, 370/92, 358/141, 358/145, 358/147

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3760371</u>	September 1973	Pitroda et al.	340/172.5
<input type="checkbox"/>	<u>3781818</u>	December 1973	Pardoe et al.	340/172.5
<input type="checkbox"/>	<u>4082922</u>	April 1978	Chu	179/15BA
<input type="checkbox"/>	<u>4115662</u>	September 1978	Guinet	370/92
<input type="checkbox"/>	<u>4161728</u>	July 1979	Insam	340/750
<input type="checkbox"/>	<u>4387466</u>	June 1983	Sire	370/94
<input type="checkbox"/>	<u>4398289</u>	August 1983	Schoute	370/94
<input type="checkbox"/>	<u>4398290</u>	August 1983	Mathieu et al.	370/94
<input type="checkbox"/>	<u>4420833</u>	December 1983	Noirel	370/83
<input type="checkbox"/>	<u>4496975</u>	January 1985	Noirel	358/147

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
005317	March 1979	EP	
2066024	December 1979	GB	

OTHER PUBLICATIONS

Control Engineering, vol. 27, No. 9, Sep. 1980, pp. 129-132.
IEEE Transactions on Consumer Electronics, vol. CE-26, No. 3, 8/1980, pp. 8-585.
Videotex, Viewdata & Teletext, A Transcript of the Online Conference on Videotext,
Viewdata and Teletext, On Line Publication, 1980.
Electronique, No. 272, Sep. 1979--Paris, pp. 29-34.

ART-UNIT: 263

PRIMARY-EXAMINER: Olms; Douglas W.

ASSISTANT-EXAMINER: Rokoff; Kenneth I.

ABSTRACT:

According to this invention, a field of useful data is split into a number of basic entities, called "data groups". Each data group is, in turn, split into smaller basic entities or "data blocks". Each resulting data block is inserted in a data packet to be transmitted through a teletext or videotext network. Therefore, an input coupler has two functional parts: a data group generator and a data packet generator.

9 Claims, 7 Drawing figures

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L28: Entry 9 of 13

File: USPT

May 10, 1994

US-PAT-NO: 5311550

DOCUMENT-IDENTIFIER: US 5311550 A

TITLE: Transmitter, transmission method and receiver

DATE-ISSUED: May 10, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fouche; Yvon	Chatenay Malabry			FR
Elleaume; Philippe	Antony			FR
de Couasnon; Tristan	Betton			FR
Travert; Serge	Cesson Sevigne			FR
Monnier; Raoul	Rennes			FR
Hergault; Stephane	Cesson Sevigne			FR

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Thomson-CSF	Puteaux			FR	03

APPL-NO: 07/ 678262 [PALM]

DATE FILED: April 22, 1991

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
FR	88 13832	October 21, 1988
FR	88 13833	October 21, 1988

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102(E)-DATE
PCT/FR89/00546	October 20, 1989	WO90/04893	May 3, 1990	Apr 22, 1991	Apr 22, 1991

INT-CL: [05] H04L 27/28

US-CL-ISSUED: 375/38; 370/19

US-CL-CURRENT: 375/260; 370/210

FIELD-OF-SEARCH: 375/38, 375/40, 375/94, 370/19, 370/23

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3456202</u>	July 1969	Miyagi	
<input type="checkbox"/>	<u>4881241</u>	November 1989	Pommier et al.	375/38

OTHER PUBLICATIONS

EBU Review Technical, Nr 224, Aug. 1987 (Bruxelles, BE), M. Alard et al.: "Principles of modulation and channel coding for digital broadcasting for mobile receivers", pp. 168-190.
IEEE Transactions on Communications, vol. COM-34, Nr 6, Jun. 1986 IEEE, (New York, US), B. Hirosaki et al: "Advanced groupband data modem using orthogonally multi-lexed QAM technique" pp. 587-592.
IEEE Transactions on Communications, vol. COM-20, Nr 3, Jun. 1972, (New York, US), U. Timor: "Equivalence of time-multiplexed and frequency-multiplexed signals in digital communications" pp. 435-438.

ART-UNIT: 264

PRIMARY-EXAMINER: Chin; Stephen

ASSISTANT-EXAMINER: Ghebretinsae; T.

ABSTRACT:

A transmission method and a transmitter and receiver Structure is disclosed which provides for transmission of modulated waves using long pulses with a plurality of frequencies. The method involves two consecutive frequencies being separated by $1/T$, where T is the period of the useful transmission intervals. The method and the apparatus are particularly suited to broadcasting and reception of television and radio signals as well as telephone communications between exchanges and between radio telephones and communication stations including terrestrial stations and satellites and local computer networks. Most particularly the method is applicable to high fidelity radio transmissions as well as to high definition television (HDTV).

19 Claims, 31 Drawing figures

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L28: Entry 12 of 13

File: USPT

Oct 14, 1986

US-PAT-NO: 4617656

DOCUMENT-IDENTIFIER: US 4617656 A

TITLE: Information transmission system with modems coupled to a common communication medium

DATE-ISSUED: October 14, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kobayashi; Hiroshi	Tokyo			JP
Hirose; Tsuguhiro	Tokyo			JP
Haruyama; Hideaki	Fujisawa			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Tokyo Shibaura Denki Kabushiki Kaisha	Kawasaki			JP		03

APPL-NO: 06/ 814598 [PALM]

DATE FILED: January 2, 1986

PARENT-CASE:

This application is a continuation, of application Ser. No. 563,241, filed Dec. 19, 1983 now abandoned.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	225216/82	December 22, 1982

INT-CL: [04] H04J 1/02, H04J 3/12

US-CL-ISSUED: 370/74; 370/98

US-CL-CURRENT: 370/445; 370/491

FIELD-OF-SEARCH: 370/74, 370/124, 370/98, 375/42, 375/36, 375/8, 375/37, 455/70, 455/68

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>2300415</u>	November 1942	Green	455/68
<input type="checkbox"/>	<u>4007449</u>	February 1977	Vercesi	375/8
<input type="checkbox"/>	<u>4092596</u>	May 1978	Dickinson et al.	370/74
<input type="checkbox"/>	<u>4251881</u>	February 1981	Rvether	370/98
<input type="checkbox"/>	<u>4271503</u>	June 1981	Eumvrian et al.	370/74
<input type="checkbox"/>	<u>4281380</u>	July 1981	Demesa, III et al.	370/85
<input type="checkbox"/>	<u>4281408</u>	July 1981	Bonnerot	370/74
<input type="checkbox"/>	<u>4375691</u>	March 1983	Hackett	375/8
<input type="checkbox"/>	<u>4411004</u>	October 1983	Graham	375/8
<input type="checkbox"/>	<u>4425664</u>	January 1984	Sherman et al.	375/8

OTHER PUBLICATIONS

IEEE 802 Local Network Standard, Draft B, Chapter V.2, 8.0, Appendix, Method C, Oct. 19, 1981.

ART-UNIT: 263

PRIMARY-EXAMINER: Olms; Douglas W.

ASSISTANT-EXAMINER: Kuntz; Curtis

ABSTRACT:

A plurality of information processors are coupled by respective modems to a communication medium at points thereof. Transmission and reception of information signals among the modems are effected through a headed located at a predetermined point on the communication medium. A pilot signal generator is provided which sends out a pilot signal having a predetermined reference level through the headend to the communication medium. Each modem is arranged to properly adjust the gain of its transmitting amplifier according to a reception level of the pilot signal for an improvement of signal transmission quality and a reliable detection of a signal collision.

30 Claims, 19 Drawing figures